

Application Number 10/615,336  
Amendment dated 29 September 2004  
Reply to Office Action of 29 June 2004

**Amendments to the Claims**

This listing of claims will replace all prior versions, and listings, of claims in the application:

Claim 1 (currently amended): A socket liner for receiving a limb of an amputee, comprising:

a liner adapted to receive a limb of an amputee; and

one or more sensors provided in the liner, the sensors being adapted to monitor-gather physiological data received therein for subsequent monitoring of patient health.

Claim 2 (currently amended): The socket liner of claim 1, wherein the sensors are pressure sensors.

Claim 3-4 (canceled).

Claim 5 (currently amended): The socket liner of claim 1, wherein the liner includes a plurality of grooves for receiving the sensors.

Claim 6 (currently amended): The socket liner of claim 1, wherein the liner includes a plurality of pockets for receiving the sensors.

Claim 7 (currently amended): The socket liner of claim 1, wherein the sensors are strips provided along a surface of the liner.

Claim 8 (currently amended): The socket liner of claim 1, wherein the liner is made from two parts adhered together.

Claim 9 (canceled).

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Claim 10 (original): A liner for receiving a limb of an amputee comprising:  
an inner layer and an outer layer;  
the inner layer comprising at least one channel;  
at least one sensor provided in the at least one channel used to monitor  
physiological characteristics of the limb; and  
the outer layer configured to cover the inner layer.

Claim 11 (original): The liner of claim 10 wherein the channel is a pocket.

Claim 12 (original): The liner of claim 10 wherein the sensor is an oxygen  
sensor.

Claim 13 (original): The liner of claim 10 wherein the sensor is a pressure  
sensor.

Claim 14 (original): The liner of claim 10 wherein the sensor is a strip.

Claim 15 (original): The liner of claim 14, wherein the sensor wraps around a  
bottom of the inner layer.

Claim 16 (original): A socket liner for receiving a limb of an amputee comprising:  
a liner for holding a physiological sensor;  
a physiological sensor configured to receive data from a limb regarding its  
physiological characteristics;  
the sensor being in communication with a transmitter;  
the transmitter configured to send data to a receiver to allow an end user  
to analyze the physiological characteristics of the limb.

Claim 17 (canceled).

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Claim 18 (currently amended): The socket liner of ~~claim 17~~, claim 24, wherein the sensor wraps around a bottom of the inner layer.

Claim 19 (currently amended): A garment for receiving a limb of an amputee comprising:

a receiving portion adapted to receive the limb and to hold a plurality of sensors;

the sensors adapted to receive physiological data from the limb; and

the garment configured to transmit the physiological data to an end user to monitor the health of the limb.

Claim 20 (original): A method for monitoring the physiological characteristics of a limb comprising:

providing a liner having at least one physiological sensor therein; and

monitoring physiological characteristics of the limb using data accumulated from the sensor.

Claim 21 (new): A socket liner for receiving a limb of an amputee, comprising:

a liner adapted to receive a limb of an amputee; and

an oxygen sensor provided in the liner, wherein the oxygen sensor is adapted to monitor data received therein.

Claim 22 (new): A socket liner for receiving a limb of an amputee, comprising:

a liner adapted to receive a limb of an amputee; and

a plurality of sensors provided in the liner, wherein the plurality of sensors are adapted to monitor data received therein, and wherein the plurality of sensors include a pressure sensor and an oxygen sensor.

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Claim 23 (new): A socket liner for receiving a limb of an amputee, comprising:  
a liner adapted to receive a limb of an amputee; and  
a sensor provided in the liner, wherein the sensor is adapted to monitor data received therein, and wherein the sensor is wrapped around a bottom of an inner layer of the liner.

Claim 24 (new): A socket liner for receiving a limb of an amputee comprising:  
a liner having an inner and an outer layer, wherein the inner layer is configured to hold a physiological sensor, and the outer layer serves to provide an interface between the inner layer and a socket;  
a physiological sensor configured to receive data from a limb regarding its physiological characteristics;  
the sensor being in communication with a transmitter;  
the transmitter configured to send data to a receiver to allow an end user to analyze the physiological characteristics of the limb.